

7th Street and Arizona Avenue

Boundaries:

The site is located in downtown Tucson, approximately one-third mile north of Broadway Boulevard and approximately three-fourths mile east of Interstate 10.

Site History:

- From approximately 1957 to 1989, dry-cleaning businesses were located on the property at 300 East 7th Street. The property is currently vacant (the building was destroyed by fire in 1989) and is now used for parking.
- Tetrachloroethene (PCE) was stored in underground storage tanks (USTs). In 1991, seven underground storage tanks (USTs) (five solvent and two heating and waste oil tanks) were removed from the property.
- In 1992, an assessment of site soils and groundwater was conducted. Soils near the heating and waste oil tanks were found to contain petroleum hydrocarbons. Analysis of a groundwater sample from a water supply well on site revealed the presence of PCE and trichloroethene (TCE) in the regional aquifer underlying the site.
- In 1997, a more extensive site assessment was performed that confirmed the presence of PCE in on site soils. PCE was detected in the soil at a maximum concentration of 26,000 micrograms/kilogram (mg/kg).
- Soil and groundwater investigations of several surrounding properties have been performed in connection to potential releases from USTs. PCE concentrations up to 1,900 micrograms/liter (F g/l) have been historically observed in groundwater.
- On April 27, 2000, the site was placed on the WQARF Registry with an eligibility and evaluation (E&E) score of 40 out of a possible 120.

Site Status:

- In July 2003, a report of the findings and recommendations for a potential ERA under WQARF was completed. Investigations show that a release of PCE, and possibly TCE, has occurred at the property at 300 E. 7th Street. There appears to be no route of exposure to humans.
- Between January - May 2004, ADEQ will conduct two groundwater and soil vapor monitoring events. Monitoring will be completed on existing wells and should cause minimal disturbance.

Site Hydrogeology:

- The site is located within the Tucson Basin, a northwest trending alluvial valley covering an area of about 750 square miles in the Santa Cruz River drainage basin of southeastern Arizona.
- The site is predominantly fine-grained sands and silts interbedded with fine-grained sediments from ground surface to approximately 80 feet below ground surface (bgs). The interbedded material is underlain by a clay aquitard approximately 12 feet in thickness, forming a perched aquifer.
- Depth to perched water is approximately 65 feet bgs. The regional aquifer is encountered approximately 170 feet bgs. Flow direction in the regional aquifer is to the northeast.

Contaminants:

The current contaminants of concern in groundwater include PCE, TCE and cis-1,2-dichloroethene (cis-1,2-DCE). Contaminants of concern at the site may change as new data become available.

Public Health Impact:

To ensure that no drinking water wells have been impacted by contamination from the site, ADEQ completed a drinking water well inventory. The nearest known drinking water wells are located one-half to one mile northeast of the site.

Community Involvement Activities:

In March 2002, a fact sheet describing the status of the site and the planned field investigation activities for the ERA was distributed to area businesses and residences.

Information Repositories:

Interested parties can review site information at the City of Tucson/Pima County Main Library located at 101 North Stone Avenue, Tucson, (520) 791-4393. Site information is also available at both ADEQ's Southern Regional Office located at 400 W. Congress, Suite 433 in Tucson, and the main office located at 1110 West Washington Street, Phoenix. Files are available for review Monday through Friday from 8 a.m. to 5 p.m. Please call (520) 770-3361 to arrange a file review appointment at the Southern Regional Office. To arrange for a time to review the site file at the main ADEQ office, please call the ADEQ Records Center (602) 771-4378 or (800) 234-5677.

Contacts:

Name	Phone/Fax	E-Mail
Lori Ehman, ADEQ Project Manager	(520) 628-6663*/ (520) 628-6745	ehman.lori@ev.state.az.us

Melissa Hayes, ADEQ Community Involvement Coordinator	(520) 770-3309*/ (520) 628-6745	hayes.melissa@ev.state.az.us
---	------------------------------------	------------------------------

* In Arizona, but outside the Tucson area, call toll free (888) 271-9302.